

# **TUGAS PRAKTIKUM SISTEM OPERASI**

## **MODUL 4**

### **EXPORT ISO DAN INSTALASI ISO BARU**



**Sistem Informasi**

**Telkom University  
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**PROGRAM STUDI S1 SISTEM INFORMASI**

**FAKULTAS REKAYASA INDUSTRI**

**TELKOM UNIVERSITY SURABAYA**

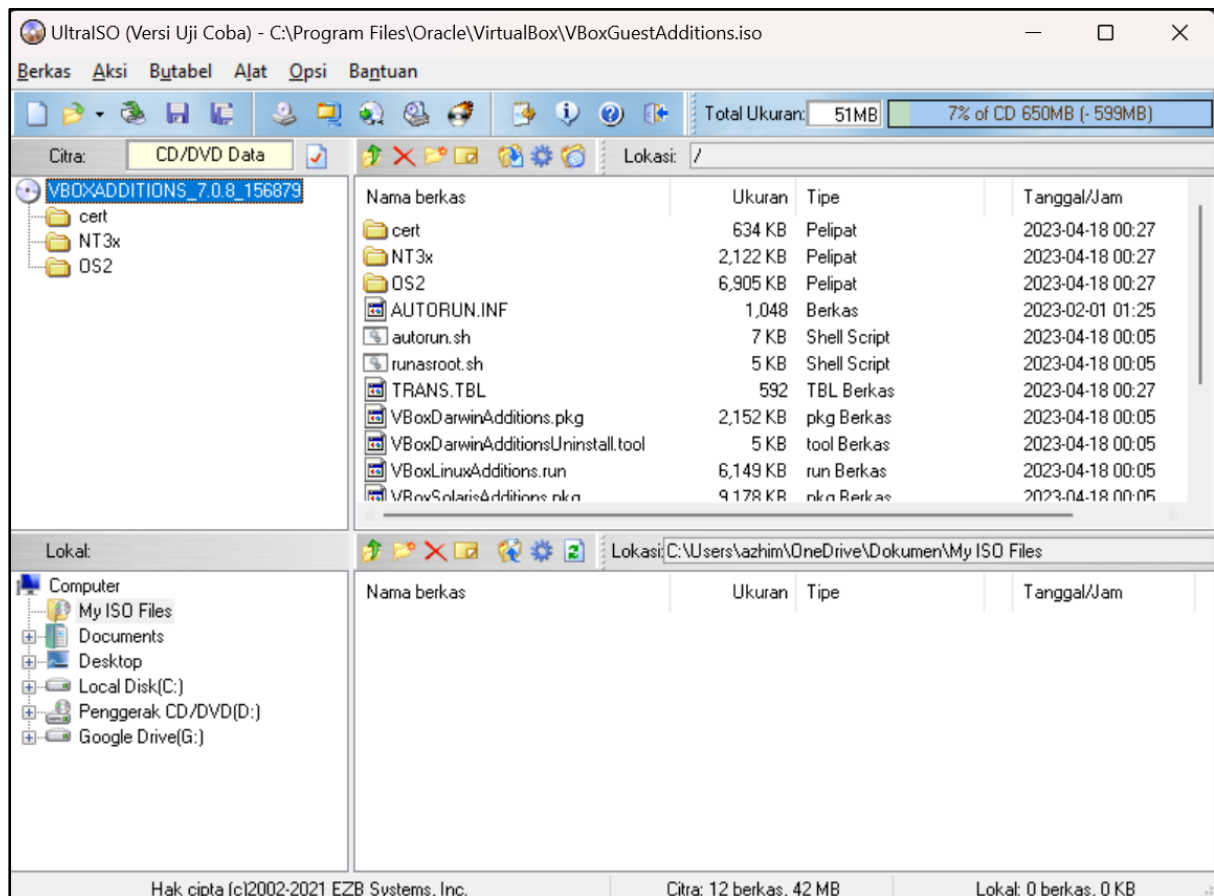
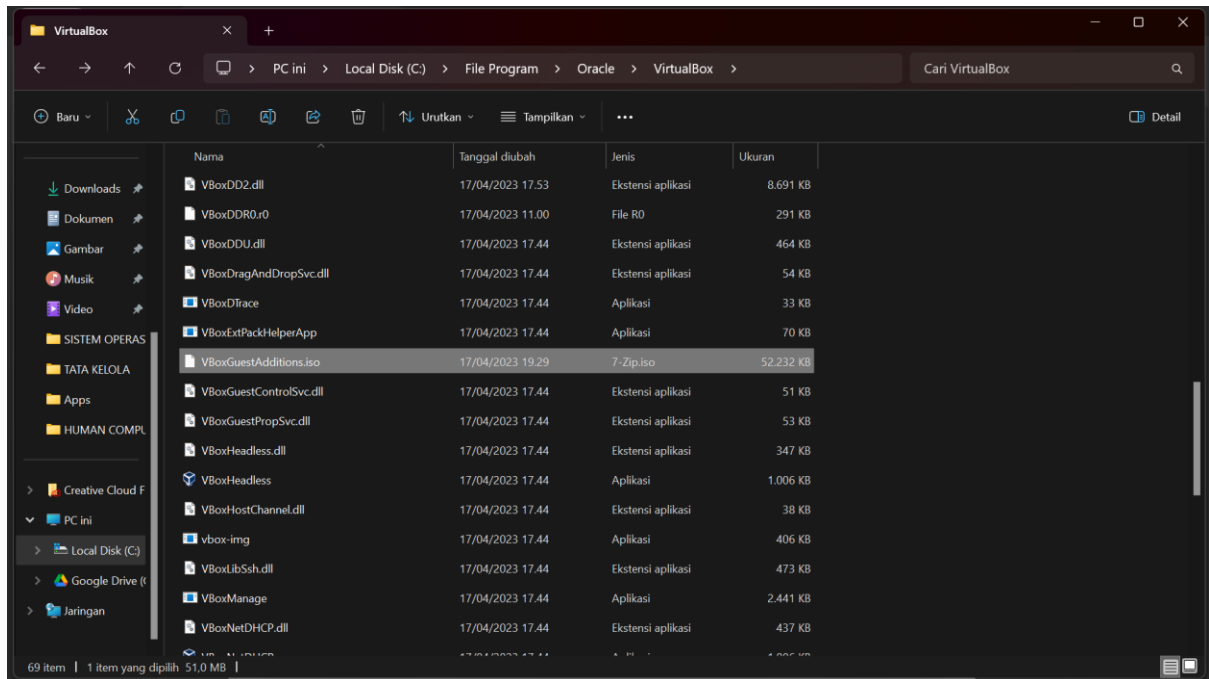
**2024**

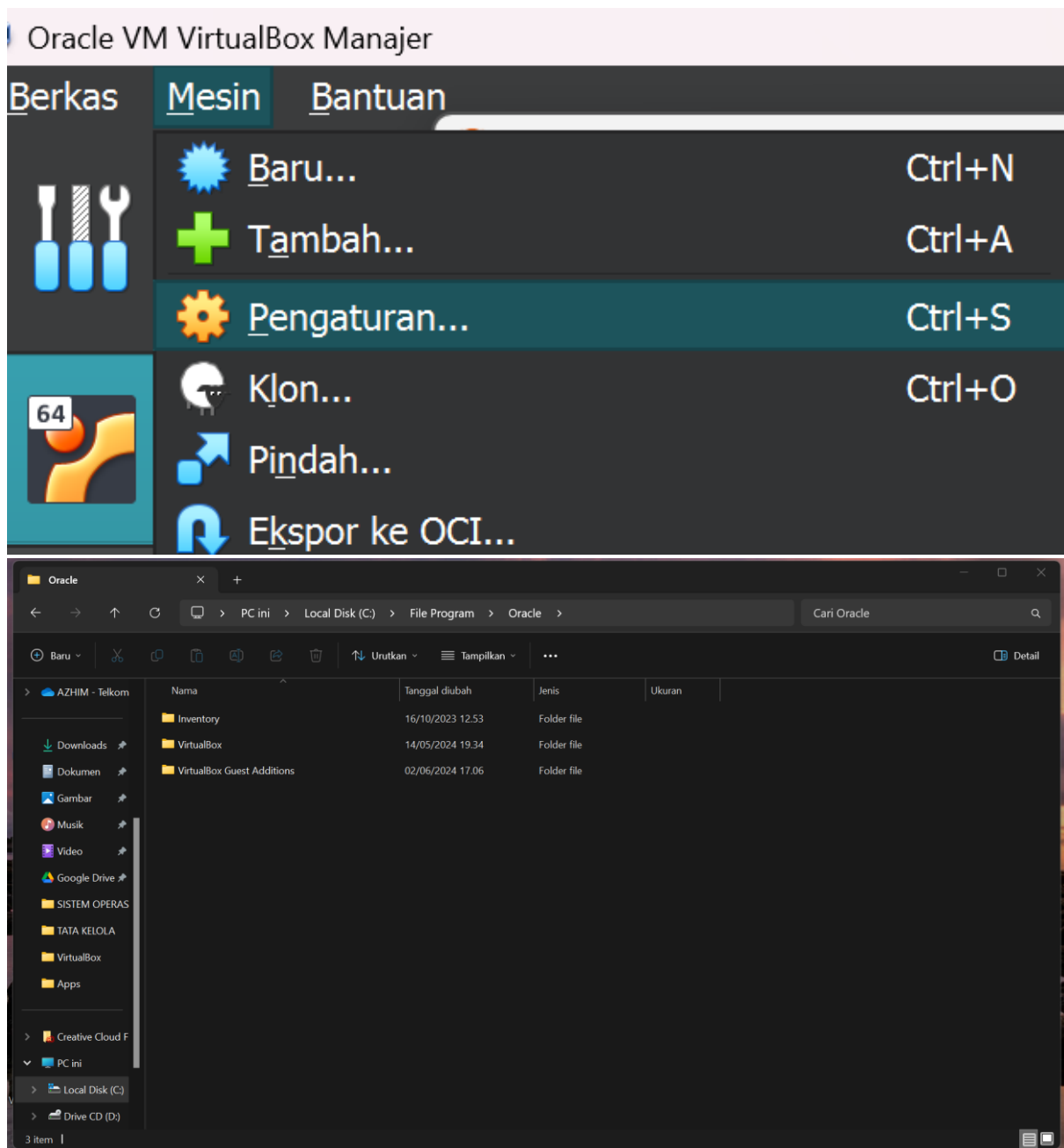
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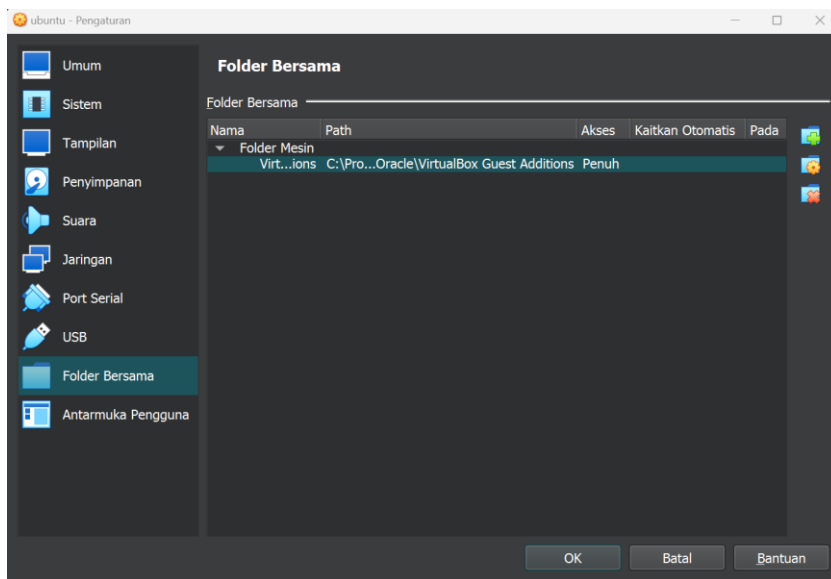
# BAB 1

## 1. Mengatur sharing folder di komputer host





Pada gambar di atas kita sudah melakukan sharing folder di komputer host.



```
azhim@azhim-VirtualBox: ~  
azhim@azhim-VirtualBox:~$ sudo apt install virtualbox-guest-utils  
[sudo] password for azhim:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  kinit kio liba52-0.7.4 libaribb24-0 libass9 libavcodec57 libavformat57  
  libavutil55 libbasicusageenvironment1 libcdcb2 libcrystalhd3 libdca0  
  libdouble-conversion1 libdvbpsi10 libdvbnav4 libdvread4 libdvread7  
  libebml4v5 libexpat1-dev libfaad2 libgroupsock8 libhfstospell10 libixml10  
  libkate1 libkf5auth5 libkf5doctools5 libkf5iconthemes-bin  
  libkf5iconthemes-data libkf5iconthemes5 libkf5jobwidgets-data  
  libkf5jobwidgets5 libkf5kiocore5 libkf5kiont1m5 libkf5kiowidgets5  
  libkf5solid5 libkf5solid5-data libkf5sonnet5-data libkf5sonnetcore5  
  libkf5sonnetui5 libkf5textwidgets-data libkf5textwidgets5 liblivemedia62  
  liblivemedia77 libllvm10 liblua5.2-0 libmad0 libmatroska6v5 libmicrodnso  
  libmpcdec6 libmpeg2-4 libmysofa1 libnfs11 libopenmpt-modplug1  
  libphonon4qt5-4 libphonon4qt5-data libplacebo4 libplacebo7 libpostproc54  
  libpostproc55 libprotobuf-lite10 libprotobuf-lite17 libproxy-tools  
  libpython3-dev libpython3.6-dev libpython3.8-dev libqgsttools-p1  
  libqt5multimedia5-plugins libqt5multimedia5-gsttools5 libqt5multimediaquick-p5  
  libqt5multimediawidgets5 libqt5opengl5 libqt5script5 libresid-builder0c2a  
  libSDL-image1.2 libSDL1.2debian libsidplay2 libsndio7.0 libspatialaudio0  
  libstr1 libssh2-1 libswresample2 libwscale4 libupnp13 libupnp6  
  
Suggested packages:  
  virtualbox-guest-x11  
The following NEW packages will be installed:  
  virtualbox-guest-utils  
0 upgraded, 1 newly installed, 0 to remove and 21 not upgraded.  
Need to get 893 kB of archives.  
After this operation, 6.087 kB of additional disk space will be used.  
Get:1 http://id.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 virtual  
box-guest-utils amd64 6.1.50-dfsg-1-ubuntu1.20.04.1 [893 kB]  
Fetched 893 kB in 1s (874 kB/s)  
Selecting previously unselected package virtualbox-guest-utils.  
(Reading database ... 241575 files and directories currently installed.)  
Preparing to unpack .../virtualbox-guest-utils_6.1.50-dfsg-1-ubuntu1.20.04.1_amd  
64.deb ...  
Unpacking virtualbox-guest-utils (6.1.50-dfsg-1-ubuntu1.20.04.1) ...  
Setting up virtualbox-guest-utils (6.1.50-dfsg-1-ubuntu1.20.04.1) ...  
Created symlink /etc/systemd/system/multi-user.target.wants/virtualbox-guest-uti  
ls.service → /lib/systemd/system/virtualbox-guest-utils.service.  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for ureadahead (0.100.0-21) ...  
Processing triggers for systemd (245.4-4ubuntu3.23) ...  
azhim@azhim-VirtualBox:~$
```

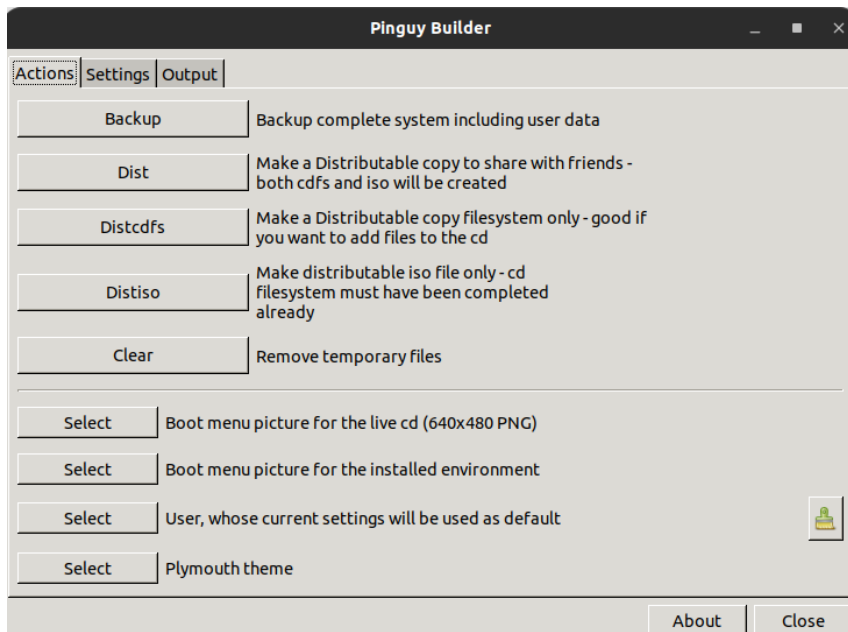
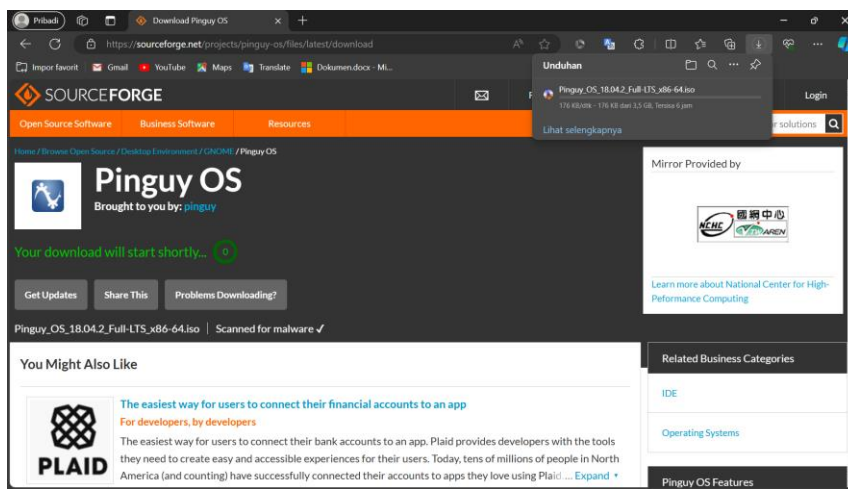
Pada gambar di atas kita sudah install virtualbox-guest-utils, proses install berhasil di install.

## 2. Mengatur Group akses dan permission dari sharing folder di ubuntu

Di bagian laptop saya mengalami error jadi pada tahap ini saya skip, supaya tidak terjadinya crash pada laptop saya

## BAB 2

### INSTALL PINGUY BUILDER



Pada gambar di atas kita sudah menginstall Pinguy OS.

# BAB 3

## EXPORT ISO

Pinguy Builder

Actions

Settings

Output

Username

BusinessOS

CD Label

BusinessOS

Filename

BusinessOS.iso

Working directory

/home/PinguyBuilder

...

Files to exclude

/windows /dos /swapfile

URL for USB Creator

http://YourWebsite.com

Squashfs options

-no-recovery -always-use-fragments -b 1048576 -comp xz -Xbcj x86

☒ Show install icon on Backup mode desktop

Working directory must be on a drive formatted with a linux filesystem.PinguyBuilder will create the "PinguyBuilder" working folder in this folder and will not harm any other files or folders.

About

Close

Actions

Settings

Output

```
System Backup Mode Selected
Enabling PinguyBuilder-Firstboot
Checking filesystem type of the Working Folder
/home/PinguyBuilder/PinguyBuilder is on a ext4 filesystem
Making sure popularity-contest is not installed
Making sure syslinux-themes is not installed
Making sure gnome-initial-setup is not installed
Making sure isolinux is installed
Installing the Ubiquity GTK frontend
Cleaning System before building
Renaming Gistro to BusinessOS
Checking if the /home/PinguyBuilder/PinguyBuilder folder has been created
Creating /home/PinguyBuilder/PinguyBuilder/ISOTMP folder tree
Copying /var and /etc to temp area and excluding extra files ... this will take a while so be patient
Adding CD-ROM to source list
Cleaning up files not needed for the live in /home/PinguyBuilder/PinguyBuilder/dummysys
Making sure adduser and autologin functions of casper are set properly
Copying memtest86+ for the live system
Copying EFI Boot for the live system
Downloading packages for CD
dpkg-scansources: INFO: Wrote 0 entries to output Packages file.
Creating isolinux setup for the live system
/usr/bin/PinguyBuilder: line 588: warning: command substitution: ignored null byte in input
/usr/bin/PinguyBuilder: line 588: warning: command substitution: ignored null byte in input
/usr/bin/PinguyBuilder: line 590: warning: command substitution: ignored null byte in input
/usr/bin/PinguyBuilder: line 592: warning: command substitution: ignored null byte in input
/usr/bin/PinguyBuilder: line 594: warning: command substitution: ignored null byte in input
Checking the ABI of the system and setting the README.diskdefines file
Creating filesystem.manifest and filesystem.manifest.desktop
Excluding folder from the backup that will cause issues
Copying the install icon to the desktop of cito
dbus-daemon[1160]: [session uid=1000 pid=1160] Successfully activated service 'org.gtk.vfs.Daemon'
dbus-daemon[1160]: [session uid=1000 pid=1160] Successfully activated service 'org.gtk.vfs.Daemon'
dbus-daemon[1160]: [session uid=1000 pid=1160] Activating service name='org.gtk.vfs.Metadata' requested by ':1.0' (uid=1000 pid=11602 comm='gio set /home/cito/Desktop/ubiquity.desktop metad label=unconfined')
dbus-daemon[1160]: [session uid=1000 pid=1160] Successfully activated service 'org.gtk.vfs.Metadata'
A connection to the bus can't be made
Creating the casper.conf file
Checking and setting user-setup-apply for the live system
Setting up casper and ubiquity options for backup mode
Creating a new initial ramdisk for the live system
Copying your kernel and initrd for the livecd
Creating filesystem.squashfs ... this will take a while so be patient
Parallel mksquashfs: Using 2 processors
Creating 4.0 filesystem on /home/PinguyBuilder/PinguyBuilder/ISOTMP/casper/filesystem.squashfs, block size 1048576.
[*****] | 436420/439224 99%
```

About

Close

Pada gambar di atas kita sudah melakuakn export iso di laptop kita.